Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/06/2017 12:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123861	-1	2.65	123680	2.62
Blue	F	SSC	125000	122863	-2	4.66	123124	4.57
Blue	E	FITC	23615	22593	-5	3.54	1008	11.03
Blue	D	PE	26739	26016	-3	3.20	936	10.61
Blue	B	PerCP-Cy5-5	48339	47147	-3	4.44	1361	17.72
Blue	A	PE-Cy7	45021	44675	-1	6.10	698	36.99
Red	C	APC	53064	51664	-3	2.78	2966	9.75
Red	A	APC-Cy7	57175	56375	-2	2.80	1181	11.20
Violet	B	V450	14728	13962	-6	5.66	664	9.94
Violet	A	V500	58621	56544	-4	5.47	2512	7.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16487	8.36	609	-5	N/A	N/A	Pass
Blue	F	SSC	59700	3.11	548	2	N/A	N/A	Pass
Blue	E	FITC	109	41.59	547	-1	0.0188	161	Pass
Blue	D	PE	202	31.42	539	3	0.1472	267	Pass
Blue	B	PerCP-Cy5-5	209	47.52	637	2	0.0093	107	Pass
Blue	A	PE-Cy7	72	129.04	696	3	0.0109	18	Pass
Red	C	APC	346	28.14	596	-1	0.0189	35	Pass
Red	A	APC-Cy7	129	40.43	578	-2	0.0055	1636	Pass
Violet	B	V450	81	42.36	466	-4	0.0451	1869	Pass
Violet	A	V500	181	24.95	495	-2	0.0137	739	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.20	-30.80	0.90
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	16.66	13.27 - 19.91	N/A	N/A	30.86	31.30	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9813

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments